Fig. 1

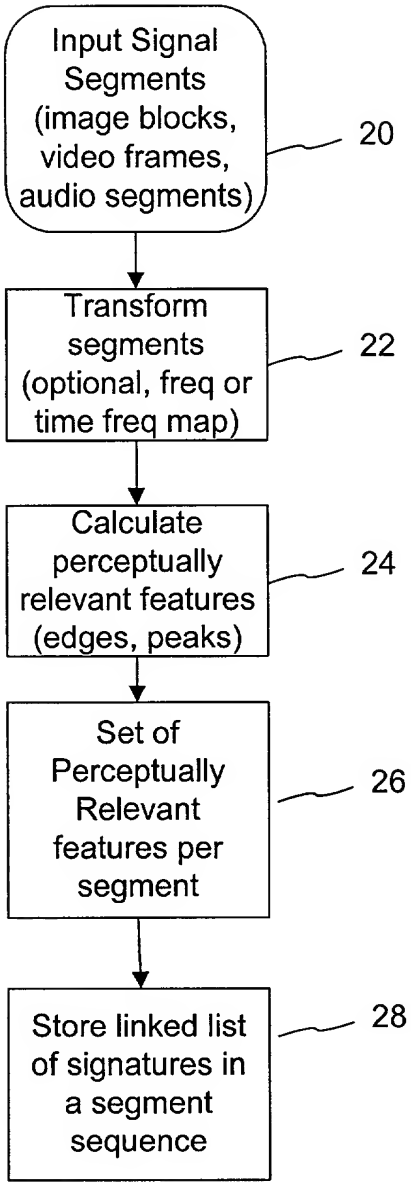
Input Signal Segments (image blocks, video frames, audio segments)
20
Transform segments (optional, freq or time freq map)
22
Calculate perceptually relevant features (edges, peaks)
24
Set of Perceptually Relevant features per segment
26
Store linked list of signatures in a segment sequence
28

Fig. 2

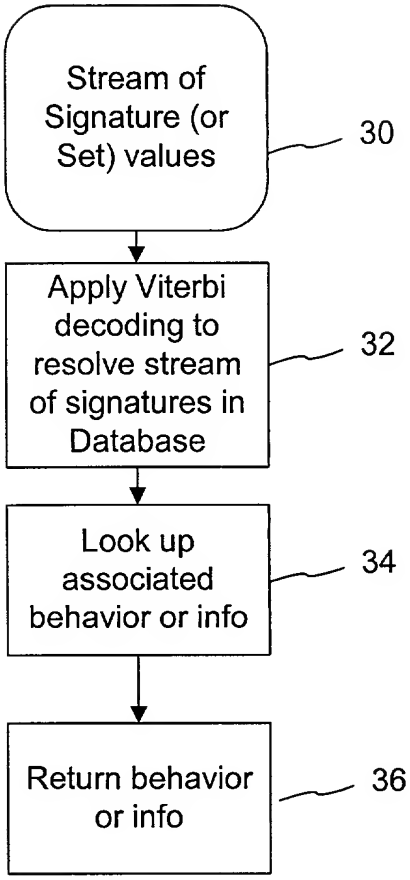
Stream of Signature (or Set) values
30
Apply Viterbi decoding to resolve stream of signatures in Database
32
Look up associated behavior or info
34
Return behavior or info
36

Fig. 3

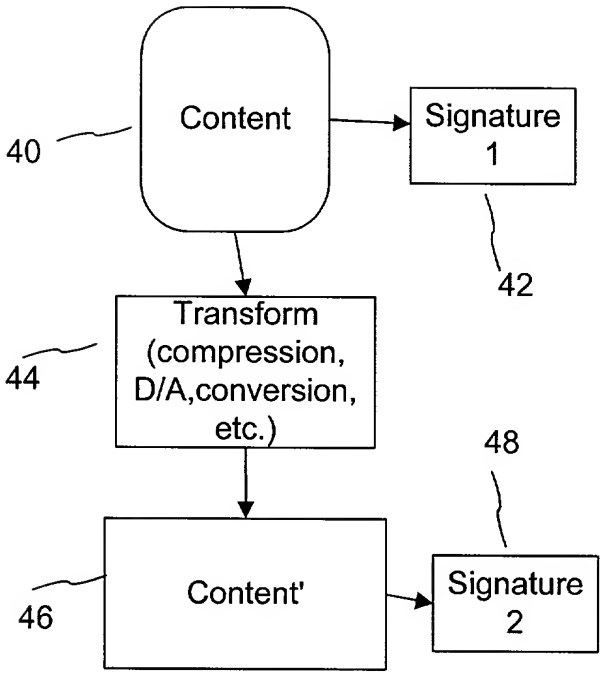
Content
Signature 1
40
42
Transform (compression, D/A,conversion, etc.)
44
48
Content'
Signature 2
46

Fig. 4

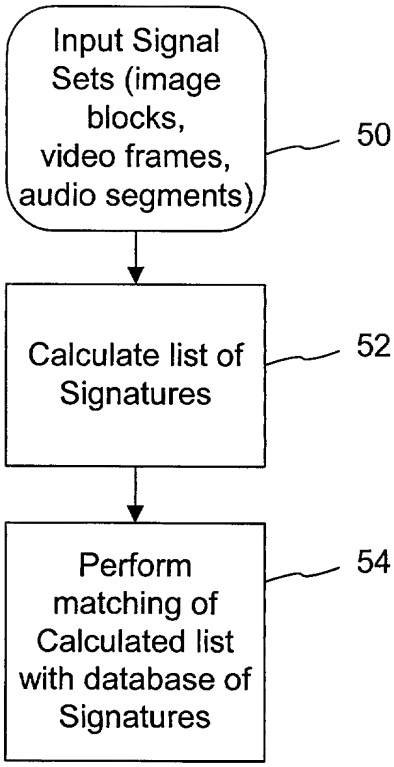
Input Signal Sets (image blocks, video frames, audio segments)
50
Calculate list of Signatures
52
Perform matching of Calculated list with database of Signatures
54

Fig. 5

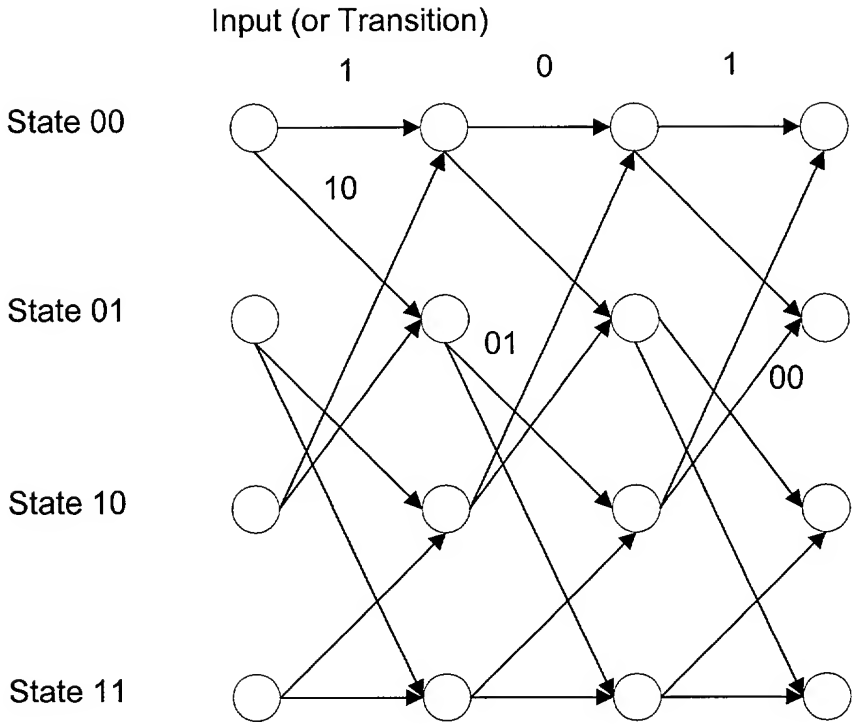

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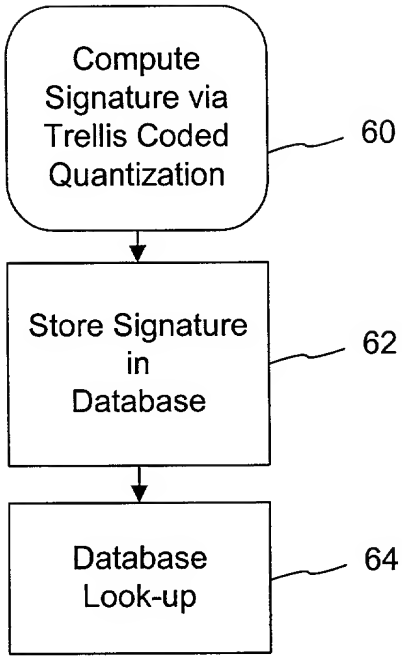
Fig. 6


Compute Signature via Trellis Coded Quantization
60
Store Signature in Database
62
Database Look-up
64